

* * * * * Welcome to STN International * * * * *

<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>	Apr 08	"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	Jun 03	New e-mail delivery for search results now available
<u>NEWS 4</u>	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
<u>NEWS 5</u>	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
<u>NEWS 6</u>	Aug 26	Sequence searching in REGISTRY enhanced
<u>NEWS 7</u>	Sep 03	JAPIO has been reloaded and enhanced
<u>NEWS 8</u>	Sep 16	Experimental properties added to the REGISTRY file
<u>NEWS 9</u>	Sep 16	CA Section Thesaurus available in CAPLUS and CA
<u>NEWS 10</u>	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
<u>NEWS 11</u>	Oct 24	BEILSTEIN adds new search fields
<u>NEWS 12</u>	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
<u>NEWS 13</u>	Nov 18	DKILIT has been renamed APOLLIT
<u>NEWS 14</u>	Nov 25	More calculated properties added to REGISTRY
<u>NEWS 15</u>	Dec 04	CSA files on STN
<u>NEWS 16</u>	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
<u>NEWS 17</u>	Dec 17	TOXCENTER enhanced with additional content
<u>NEWS 18</u>	Dec 17	Adis Clinical Trials Insight now available on STN
<u>NEWS 19</u>	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
<u>NEWS 20</u>	Feb 13	CANCERLIT is no longer being updated
<u>NEWS 21</u>	Feb 24	METADEx enhancements
<u>NEWS 22</u>	Feb 24	PCTGEN now available on STN
<u>NEWS 23</u>	Feb 24	TEMA now available on STN
<u>NEWS 24</u>	Feb 26	NTIS now allows simultaneous left and right truncation
<u>NEWS 25</u>	Feb 26	PCTFULL now contains images
<u>NEWS 26</u>	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
<u>NEWS 27</u>	Mar 19	APOLLIT offering free connect time in April 2003
<u>NEWS 28</u>	Mar 20	EVENTLINE will be removed from STN
<u>NEWS 29</u>	Mar 24	PATDPAFULL now available on STN
<u>NEWS 30</u>	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
<u>NEWS 31</u>	Apr 11	Display formats in DGENE enhanced
<u>NEWS 32</u>	Apr 14	MEDLINE Reload
<u>NEWS 33</u>	Apr 17	Polymer searching in REGISTRY enhanced
<u>NEWS 34</u>	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
<u>NEWS EXPRESS</u>	April 4	CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
<u>NEWS HOURS</u>		STN Operating Hours Plus Help Desk Availability
<u>NEWS INTER</u>		General Internet Information
<u>NEWS LOGIN</u>		Welcome Banner and News Items
<u>NEWS PHONE</u>		Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>		CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

=>

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

4.62

4.62

FILE 'REGISTRY' ENTERED AT 11:08:18 ON 21 APR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 APR 2003 HIGHEST RN 503529-60-0

DICTIONARY FILE UPDATES: 20 APR 2003 HIGHEST RN 503529-60-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

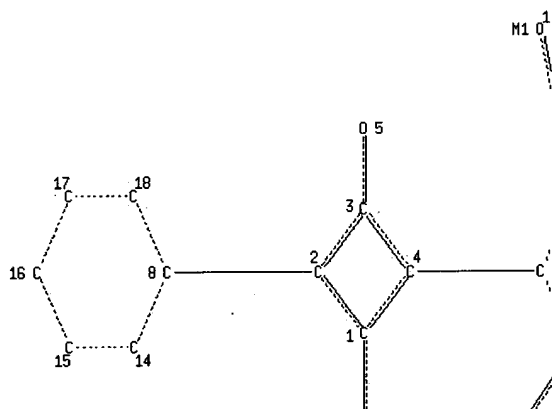
=>

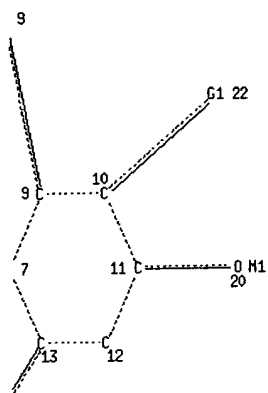
L1 STRUCTURE UPLOADED

=> dis que

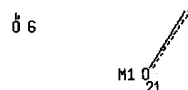
L1 STR

C 23 0 24 C1 25Br 26F 27 I 28





Page 1-B



Page 2-A

VAR G1=23/24/25/26/27/28

NODE ATTRIBUTES:

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HCOUNT	IS	M1	AT	20
HCOUNT	IS	M1	AT	21
NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4
NSPEC	IS	C	AT	5
NSPEC	IS	C	AT	6
NSPEC	IS	R	AT	7
NSPEC	IS	R	AT	8
NSPEC	IS	R	AT	9
NSPEC	IS	R	AT	10
NSPEC	IS	R	AT	11
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NSPEC	IS	C	AT	22

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 5 6 19 20 21 23 24 25 26 27 28

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 28

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 11:09:18 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 197 TO ITERATE

100.0% PROCESSED 197 ITERATIONS

SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 3098 TO 4782
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> search l1

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
 ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
 FULL SEARCH INITIATED 11:09:33 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 3889 TO ITERATE

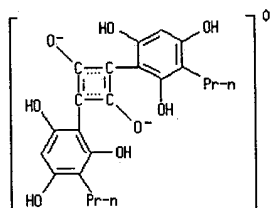
100.0% PROCESSED 3889 ITERATIONS
 SEARCH TIME: 00.00.01

4 ANSWERS

L3 4 SEA SSS FUL L1

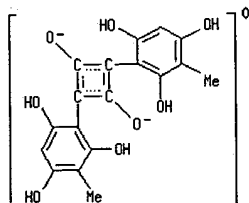
=> d l3 1-4

L3 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 295328-24-4 REGISTRY
 CN Cyclobutenediylum, 1,3-dihydroxy-2,4-bis(2,4,6-trihydroxy-3-propylphenyl)-
 , bis(inner salt) (9CI) (CA INDEX NAME)
 MF C22 H22 O8
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

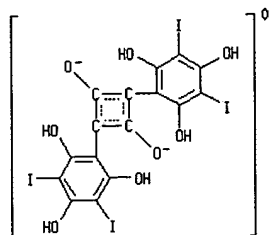
L3 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 295328-22-2 REGISTRY
 CN Cyclobutenediylum, 1,3-dihydroxy-2,4-bis(2,4,6-trihydroxy-3-methylphenyl)-
 , bis(inner salt) (9CI) (CA INDEX NAME)
 MF C18 H14 O8
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



2 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

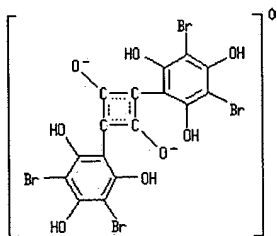
L3 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2003 ACS
 RN 189756-47-6 REGISTRY
 CN Cyclobutenediylum, 1,3-dihydroxy-2,4-bis(2,4,6-trihydroxy-3,5-diiodophenyl)-, bis(inner salt) (9CI) (CA INDEX NAME)
 MF C16 H6 I4 O8

SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L3 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2003 ACS
RN 189756-46-5 REGISTRY
CN Cyclobutenediylum, 1,3-bis(3,5-dibromo-2,4,6-trihydroxyphenyl)-2,4-dihydroxy-, bis(inner salt) (9CI) (CA INDEX NAME)
MF C16 H6 Br4 O8
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL



3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
156.07	160.69

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:10:29 ON 21 APR 2003
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FILE COVERS 1907 - 21 Apr 2003 VOL 138 ISS 17
FILE LAST UPDATED: 20 Apr 2003 (20030420/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 6 L3

=> d 14 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2002:964643 CAPLUS
DN 138:47422
TI Filler for electronic display uses and electronic display units using it
IN Nakano, Tomomi; Haraguchi, Yukinari; Ozawa, Tetsuo; Saito, Yasuyo
PA Mitsubishi Chemical Corporation, Japan
SO PCT Int. Appl., 91 pp.
CODEN: PIXXD2

DT Patent
LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002101695	A1	20021219	WO 2002-JP5886	20020612
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM</p> <p>RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG</p>				
JP 2002366048	A2	20021220	JP 2001-176556	20010612
JP 2001-176556	A	20010612		
JP 2001-183313	A	20010618		
JP 2002-168930	A	20020610		

OS MARPAT 138:47422

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2002:787090 CAPLUS
DN 138:21181
TI Aggregation Behavior of Halogenated Squaraine Dyes in Buffer, Electrolytes, Organized Media, and DNA
AU Arun, Kalliat T.; Epe, Bernd; Ramaiah, Danaboyina
CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India
SO Journal of Physical Chemistry B (2002), 106(44), 11622-11627
CODEN: JPCBFK; ISSN: 1520-6106
PB American Chemical Society
DT Journal
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2002:503296 CAPLUS
DN 137:80282
TI Squaraine-based dyes substituted with heavier halogen atoms for use as sensitizers
IN Danaboyina, Ramaiah; Kalliat, Arun Thazhathveetil; Das, Suresh; Epe, Bernd
PA Council of Scientific and Industrial Research, India

SO Ger. Offen., 16 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	<u>DE 10065482</u>	A1	20020704	<u>DE 2000-10065482</u>	20001228
	<u>JP 2002212455</u>	A2	20020731	<u>JP 2000-402567</u>	20001228
	<u>US 2002123532</u>	A1	20020905	<u>US 2001-753751</u>	20010102
<u>PRAI</u>	<u>DE 2000-10065482</u>	A	20001228		
OS	CASREACT 137:80282; MARPAT 137:80282				

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2001:919090 CAPLUS
 DN 136:61575
 TI Filter for plasma display panel
 IN Ozawa, Tetsuo
 PA Mitsubishi Chemical Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 23 pp.
 CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	<u>JP 2001350013</u>	A2	20011221	<u>JP 2001-89307</u>	20010327
<u>PRAI</u>	<u>JP 2000-104398</u>	A	20000406		
OS	MARPAT 136:61575				

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2000:645964 CAPLUS
 DN 133:259437
 TI Squarylium compounds, filters for plasma display panels made by using the same, and plasma display panels
 IN Ozawa, Tetsuo; Murayama, Tetsuo
 PA Mitsubishi Chemical Corporation, Japan
 SO PCT Int. Appl., 36 pp.
 CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
<u>PI</u>	<u>WO 2000053552</u>	A1	20000914	<u>WO 2000-JP1345</u>	20000306
	W: US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	<u>JP 2001188121</u>	A2	20010710	<u>JP 2000-58232</u>	20000303
	<u>JP 2001192350</u>	A2	20010717	<u>JP 2000-58233</u>	20000303
	<u>EP 1160230</u>	A1	20011205	<u>EP 2000-906726</u>	20000306
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	<u>US 2002014819</u>	A1	20020207	<u>US 2001-944184</u>	20010904
<u>PRAI</u>	<u>JP 1999-57944</u>	A	19990305		
	<u>JP 1999-296832</u>	A	19991019		
	<u>JP 1999-306563</u>	A	19991028		
	<u>WO 2000-JP1345</u>	W	20000306		
OS	MARPAT 133:259437				

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 1997:319950 CAPLUS
 DN 126:327519
 TI Halogenated squaraine dyes as potential photochemotherapeutic agents. Synthesis and study of photophysical properties and quantum efficiencies of singlet oxygen generation
 AU Ramaiah, Danaboyina; Joy, Abraham; Chandrasekhar, Nese; Eldho, Nadukkudy V.; Das, Suresh; George, Manapurathu V.
 CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India
 SO Photochemistry and Photobiology (1997), 65(5), 783-790
 CODEN: PHCBAP; ISSN: 0031-8655
 PB American Society for Photobiology
 DT Journal
 LA English

=> s 189756-46-5

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
 Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L6 3 L5

=> d 16 1-3

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2002:787090 CAPLUS
 DN 138:21181
 TI Aggregation Behavior of Halogenated Squaraine Dyes in Buffer, Electrolytes, Organized Media, and DNA
 AU Arun, Kalliat T.; Epe, Bernd; Ramaiah, Danaboyina
 CS Photochemistry Research Unit, Regional Research Laboratory (CSIR), Trivandrum, 695 019, India
 SO Journal of Physical Chemistry B (2002), 106(44), 11622-11627
 CODEN: JPCBFK; ISSN: 1520-6106
 PB American Chemical Society
 DT Journal
 LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 2002:503296 CAPLUS
 DN 137:80282
 TI Squaraine-based dyes substituted with heavier halogen atoms for use as sensitizers
 IN Danaboyina, Ramaiah; Kalliat, Arun Thazhathveetil; Das, Suresh; Epe, Bernd
 PA Council of Scientific and Industrial Research, India
 SO Ger. Offen., 16 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10065482	A1	20020704	DE 2000-10065482	20001228
	JP 2002212455	A2	20020731	JP 2000-402567	20001228
	US 2002123532	A1	20020905	US 2001-753751	20010102
PRAI	DE 2000-10065482	A	20001228		
OS	CASREACT 137:80282; MARPAT 137:80282				

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

Full Text Citing References

AN 1997:319950 CAPLUS
 DN 126:327519
 TI Halogenated squaraine dyes as potential photochemotherapeutic agents.
 Synthesis and study of photophysical properties and quantum efficiencies
 of singlet oxygen generation
 AU Ramaiah, Danaboyina; Joy, Abraham; Chandrasekhar, Nese; Eldho, Nadukkudy
 V.; Das, Suresh; George, Manapurathu V.
 CS Photochemistry Research Unit, Regional Research Laboratory (CSIR),
 Trivandrum, 695 019, India
 SO Photochemistry and Photobiology (1997), 65(5), 783-790
 CODEN: PHCBAP; ISSN: 0031-8655
 PB American Society for Photobiology
 DT Journal
 LA English

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